

Title (en)

POLYMER COMPOSITION AND MOLDINGS THEREOF

Title (de)

POLYMERZUSAMMENSETZUNG UND DARAUS HERGESTELLTE FORMKÖRPER

Title (fr)

COMPOSITION DE POLYMÈRES ET MOULAGES À BASE DE CETTE COMPOSITION

Publication

EP 2130869 A1 20091209 (EN)

Application

EP 08738946 A 20080326

Priority

- JP 2008055758 W 20080326
- JP 2007079195 A 20070326

Abstract (en)

[PROBLEMS] To provide a polymer composition that simultaneously has excellent paintability and high oil resistance and is also excellent in thin-wall moldability and flexibility; and a molded article produced by injection-molding of the composition and being suitable for composite-molded grips, automotive interior and exterior trims, and so on. [MEANS FOR SOLVING PROBLEMS] A polymer composition and a molded article that are comprising 33 to 67% by mass of a polybutylene terephthalate-based resin (A) and 67 to 33% by mass of an acrylic block copolymer (B); and in the acrylic block copolymer (B), two polymer blocks (b2) comprising a unit of methacrylic ester such as methyl methacrylate are bonded to the both ends of a polymer block (b1) comprising a unit of acrylic ester such as butyl acrylate, the total mass of the polymer block (b2) is 20 to 35% by mass with respect to the acrylic block copolymer (B), the weight-average molecular weight is 50000 to 100000, and the order-disorder transition temperature is 180 to 230°C.

IPC 8 full level

C08L 53/00 (2006.01); **B60J 5/04** (2006.01); **B60R 13/02** (2006.01); **B60R 13/04** (2006.01); **C08L 67/02** (2006.01)

CPC (source: EP KR US)

B32B 27/36 (2013.01 - KR); **B60R 13/02** (2013.01 - KR); **C08F 297/02** (2013.01 - EP US); **C08F 297/026** (2013.01 - EP US); **C08L 33/06** (2013.01 - KR); **C08L 53/00** (2013.01 - EP US); **C08L 67/02** (2013.01 - EP US); **C08L 67/03** (2013.01 - KR); **C09D 153/00** (2013.01 - EP US); **B60R 13/02** (2013.01 - EP US); **B60R 13/0256** (2013.01 - EP US); **B60R 13/04** (2013.01 - EP US); **Y10T 428/31786** (2015.04 - EP US)

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